

IN THE CLAIMS

1. (currently amended) A method of ~~for~~ exchanging information between ~~communication~~ devices ~~performing to permit subsequent~~ wireless communication between the devices, comprising:

establishing ~~creating~~ an electrical connection between a first device and a second ~~communication~~ devices that are to be parties to ~~wireless communications between one another;~~

generating, at the first device, communication specification information that includes information that is to be included in subsequent ~~for specifying the parties to the wireless communications between the first device and the second device; and~~

sending ~~exchanging~~ the communication specification information ~~between from the first device to the and second communication devices via the electrical connection; adding the communication information to the wireless communications transmitted between the first and second communication devices.~~

2. (currently amended) The method according to claim 1, wherein the communication specification information includes ~~is~~ ~~characteristic~~ ~~identification~~ information ~~of~~ identifying a characteristic of at least one of the first device and second communication ~~the second~~ devices.

3. (currently amended) The method according to claim 1, wherein the communication specification information includes ~~is~~ a predetermined password.

4. (currently amended) The method according to claim 3, wherein the predetermined password includes ~~is~~ a random number.

5. (currently amended) The method according to claim 1, wherein the communication specification information includes ~~is~~ information indicating a communication frequency to be used only by during the subsequent wireless communication between the first device and the second communication ~~devices.~~

6. (currently amended) The method according to claim 1, wherein the communication specification information includes ~~is~~ information indicating a wireless channel to be used only by ~~during the wireless communication between the first device and the second communication devices.~~

7. (currently amended) The method according to claim 1, ~~further comprising: wherein~~

the second device is one of a plurality of second devices,
said establishing step includes establishing ~~creating an~~
electrical connections one at a time sequentially ~~between the~~
first communication device and each one of a the plurality of
communication second devices to form a plurality of successive
electrical connections between the first device and a
corresponding one of the plurality of second devices, ~~that are~~
~~to be parties to wireless communications with the first~~
~~communication device;~~

said generating step includes generating, at the first
device, associated communication specification information for
specifying each one of the plurality of second devices that
includes information that is to be included in subsequent
parties to the wireless communications between the first device
and an associated use of the second devices, ~~the communication~~
~~information for each party being different from the~~
~~communication information for the other parties; and~~

said sending step includes sending, from the first device
to each one of the plurality of second devices, exchanging the
communication specification information associated with that
second device for each party between the first communication
device and the communication device for that party via the
corresponding electrical connection between the first
communication device and the communication device for that
party.

8. (currently amended) The method according to claim 1,

~~further comprising wherein said establishing step includes:~~

~~providing a relay station,†~~
~~establishing a first creating an electrical connection~~
~~between the first communication device and the relay station,†~~
~~and~~

~~establishing creating an a second electrical connection~~
~~between the second communication device and the relay station;~~
~~and~~

~~said sending step includes sending exchanging the~~
~~communication specification information between from the first~~
~~communication device and to the second communication device via~~
~~the first electrical connection, the relay station, and the~~
~~second electrical connections.~~

9. (currently amended) The method according to claim 8,
~~further comprising wherein said sending step further includes:~~

~~sending the communication specification information from~~
~~the first device to the relay station via the first electrical~~
~~connection;~~

~~holding capturing the communication specification~~
~~information for specifying the parties to the wireless~~
~~communications between the first and second communication~~
~~devices in a buffer of the relay station, third communication~~
~~device;~~

~~sending exchanging the communication specification~~
~~information between from the buffer third communication device~~
~~and to the second communication device via the second electrical~~
~~connection; and~~

~~notifying the first communication device, from the third~~
~~communication device via the first electrical connection, that~~
~~the exchange of the communication specification information has~~
~~been sent to with the second communication device has been~~
~~completed.~~

10. (currently amended) The method according to claim 1,

further comprising:

storing the communication specification information in at least one of the first device and the second device~~for specifying the parties to the wireless communications.~~

11. (currently amended) The method according to claim 8, further comprising:

storing the communication specification information ~~for specifying the parties to the wireless communications~~ in the relay station.

12. (currently amended) An ~~information—communication~~ system for exchanging information between devices to permit subsequent ~~performing~~ performance of wireless communication between the devices, the system comprising:

a first ~~communication~~ device having a first connector; and
a second ~~communication~~ device having a second connector, adapted for operative connection said second connector being detachably coupled to said the first connector to form an electrical connection between the said first device and said second communication devices, the first and second communication devices to be parties to wireless communications between one another;

said first device further comprising:

a generating unit operable to generate communication specification information that includes information that is to be included in subsequent ~~for specifying the parties to the wireless communications between said first device and said second device;~~ and

a sending unit operable to send ~~exchanging means for~~ exchanging the communication specification information between the ~~from said first communication device and the to said second communication device~~ via the electrical connection.

13. (currently amended) The ~~information—communication~~ system according to claim 12, wherein the communication

specification information includes is ~~characteristic~~
~~identification information of identifying a characteristic of at~~
~~least one of said the first communication device and said the~~
~~second communication device.~~

14. (currently amended) The ~~information communication~~
system according to claim 12, wherein the communication
specification information includes is a predetermined password.

15. (currently amended) The ~~information communication~~
system according to claim 14, wherein the predetermined password
includes is a random number.

16. (currently amended) The ~~information communication~~
system according to claim 12, wherein the communication
specification information includes is information indicating a
communication frequency to be used only for during the
subsequent wireless communication between the said first
~~communication device and the said second communication device.~~

17. (currently amended) The ~~information communication~~
system according to claim 12, wherein the communication
specification information includes is information indicating a
channel to be used only for during the subsequent wireless
communication between said the first communication device and
said the second communication device.

18. (currently amended) The ~~information communication~~
system according to claim 12, further comprising:

a plurality of ~~communication second~~ devices each having a
respective second connector, adapted for operative connection to
said the first connector being connectable one at a time to the
second connector of each of the plurality of second devices to
form sequential a plurality of successive electrical connections
between the said first communication device and each a
corresponding one of the communication plurality of second
~~devices that are to be parties to wireless communications with~~
~~the first communication device, wherein~~

~~said the~~ generating unit is operable to generate associated communication specification information for ~~specifying each one of said plurality of second devices the parties to the that~~ includes information that is to be included in subsequent wireless communications between said first device and an associated one of said second devices, ~~the communication information for each party being different from the communication information for the other parties; and~~

said sending unit is operable to send, to each one of said plurality of second devices, the exchanging means exchanges the communication specification information associated with that second device for each party between the first communication device and the communication device for that party via the corresponding electrical connection between the first communication device and the communication device for that party.

19. (currently amended) The ~~information—communication apparatus system~~ according to claim 12, further comprising:

a relay station having ~~one—a first relay station~~ connector adapted for operative connection detachably coupled to said the first connector of said first device to form a first electrical connection between the said first communication device and the said relay station, and having a second relay station another connector adapted for operative connection detachably coupled to said the second connector of said second device to form a second electrical connection between said the second communication device and said the relay station, wherein

said sending unit is operable to send the exchanging means exchanges the communication specification information between the from said first communication device and the to said second communication device via the first electrical connection, said relay station and the second electrical connections.

20. (currently amended) The ~~information—communication~~

~~apparatus~~system according to claim 19, wherein

~~said the~~ relay station ~~includes~~ a buffer and is further operable to hold ~~captures~~ the communication specification information for specifying the parties to the wireless communications between the ~~sent from said first communication device in said buffer, and the second communication device and exchanges to send the communication specification information with the~~ from said buffer to said second communication device via the second electrical connection, after which, via the relay station, the exchanging means notifies the and to notify said first communication device via the first electrical connection that the exchange of the communication specification information has been sent to said with the second communication device has been completed.

21. (currently amended) The ~~information—communication apparatus—system~~ according to claim 12, further ~~comprising~~wherein at least one of said first device and said second device includes:

a storing unit operable to store the communication specification information for specifying the parties to the wireless communications.

22. (currently amended) The ~~information—communication apparatus—system~~ according to claim 19, wherein said relay station is further operable to store the communication specification information for specifying the parties to the wireless communications is stored in the relay station.

23. (currently amended) A computer-readable recording medium recorded with an ~~information exchange processing a program to be executed by a computer~~ for carrying out a method of exchanging information between devices to permit subsequent wireless communication between the devices, the program said method comprising:

determining whether an electrical connection is present

between a first device and a second device;

generating, at the first device when the electrical connection is present, communication specification information that includes information that is to be included in subsequent
~~for specifying parties to wireless communications between the first device and the second communication devices when an electrical connection is established between the first and second communication devices; and~~

sending ~~exchanging~~ the communication specification information between ~~from~~ the first device to the ~~and second communication devices via the electrical connection; and~~

~~adding the communication information to the wireless communications transmitted between the first and second communication devices.~~

24. (currently amended) The computer-readable recording medium according to claim 23, wherein the communication specification information includes ~~is~~ characteristic identification information of ~~identifying a characteristic of at least one of the first device and second communication the second devices.~~

25. (currently amended) The computer-readable recording medium according to claim 23, wherein the communication specification information includes ~~is~~ a predetermined password.

26. (currently amended) The computer-readable recording medium according to claim 25, wherein the predetermined password includes ~~is~~ a random number.

27. (currently amended) The computer-readable recording medium according to claim 23, wherein the communication specification information includes ~~is~~ information indicating a communication frequency to be used ~~only by during the subsequent wireless communication between the first device and the second communication devices.~~

28. (currently amended) The computer-readable recording

medium according to claim 23, wherein the communication specification information includes ~~is~~ information indicating a wireless channel to be used only by during the subsequent wireless communication between the first device and second communication the second devices.

29. (currently amended) The computer-readable recording medium according to claim 23, wherein, ~~when the second device is one of a plurality of second devices each electrically connectable one at a time to the first device to form a plurality of successive electrical connections between the first device and a corresponding one of the plurality of second devices,~~

said determining step includes determining whether one of the plurality of successive an electrical connections is present~~sequentially created between the first communication device and each one of a plurality of communication devices that are to be parties to wireless communications with the first communication device, the~~

said generating step includes generating, at the first device when the corresponding electrical connection is determined to be present, associated communication specification information for specifying each one of the plurality of second devices that includes information that is to be included in subsequent parties to the wireless communications between the first device and an associated one of the second devices, the communication information for each party being different from the communication information for the other parties, and the exchanging

said sending step includes exchanging sending, from the first device to each one of the plurality of second devices, the communication specification information associated with that second device for each party between the first communication device and the communication device for that party via the

~~corresponding electrical connection between the first communication device and the communication device for that party.~~

30. (currently amended) The computer-readable recording medium according to claim 23, wherein

said determining step includes determining whether a first electrical connection is present between the first device and a relay station and determining whether a second electrical connection is present between the second device and the relay station; and

said sending the exchanging step includes: sending, when the first electrical connection and the second electrical connection are present, exchanging the communication specification information between from the first communication device and to the second communication device via the first electrical connection, a the relay station, forming a first electrical connection with the first communication device and a the second electrical connection with the second communication device.

31. (currently amended) The computer-readable recording medium according to claim 30, ~~the program further comprising~~wherein said sending step further includes:

sending the communication specification information from the first device to the relay station via the first electrical connection;

holding capturing the communication specification information for specifying the parties to the wireless communications between the first and second communication devices in a buffer of the relay station;

sending exchanging the communication specification information between from the buffer of the relay station and to the second communication device via the second electrical connection; and

notifying the first communication device, via the first electrical connection, that the exchange of the communication specification information has been sent to with the second communication device has been completed.

32. (currently amended) The computer-readable recording medium according to claim 23, the program wherein said method further comprises~~comprising~~:

storing the communication specification information in at least one of the first device and the second device~~for specifying the parties to the wireless communications.~~

33. (currently amended) The computer-readable recording medium according to claim 30, the program wherein said method further comprises~~comprising~~:

storing the communication specification information~~for specifying the parties to the wireless communications in the relay station.~~

34. (currently amended) A method ~~for~~of exchanging information between a plurality of ~~communication~~ devices performing to permit subsequent wireless communication between the devices, comprising:

establishing~~creating~~ an electrical connections one at a time sequentially between respective pairs of the plurality of communication devices, to form a plurality of successive electrical connections between corresponding the pairs of the plurality of communication devices to be parties to wireless communications with one another;

generating, at each device of a given pair of the plurality of devices, communication specification information that is associated with that device and that includes information to be included in subsequent~~for specifying each pair of parties to wireless communications between the devices of the given pair of devices, the communication information for each pair of parties being different from the communication information for the other~~

~~pairs of parties; and~~

~~sending exchanging the communication specification~~
~~information associated with one device of the given for each~~
~~pair of devices to the other parties between a communication~~
~~device of the given for a first party in the pair of devices and~~
~~a communication device for a second party in the pair via the~~
~~electrical connection between the given pair of devices and~~
~~sending the communication specification information associated~~
~~with the other device of between the communication device for~~
~~the first party in the given pair of devices to and the one~~
~~communication device for the second party in of the given pair~~
~~of devices via the electrical connection between the given pair~~
~~of devices.~~

35. (new) The method according to claim 1, further comprising:

 verifying, at the first device, that the communication specification information has been correctly received by the second device.

36. (new) The method according to claim 1, further comprising:

 removing the electrical connection prior to initiating the wireless communication between the first device and the second device.

37. (new) The method according to claim 1, further comprising:

 generating, at the second device, further communication specification information that includes further information that is to be included in the subsequent wireless communication, and

 sending the further communication specification information from the second device to the first device via the electrical connection.

38. (new) The method according to claim 4, further comprising:

sending the random number from the second device back to the first device, and

verifying, at the first device, that the random number received from the second device is identical to the random number sent to the second device.

39. (new) The method according to claim 7, further comprising:

generating, at each of the plurality of second devices, further communication specification information that includes further information associated with that second device that is to be included in the subsequent wireless communication between the first device and the associated second device, and

sending, from each one of the plurality of second devices to the first device, the further communication specification information associated with that second device via the corresponding electrical connection.

40. (new) The method according to claim 8, further comprising:

establishing a third electrical connection between the second device and a third device;

generating, at the second device, further communication specification information specific to subsequent wireless communication between the second device and the third device that includes further information that is to be included in the subsequent wireless communication between the second device and the third device;

sending the further communication specification information from the second device to the third device via the third electrical connection; and

sending the further communication specification information from the second device to the first device via the first electrical connection, the relay station, and the second electrical connection.

41. (new) The method according to claim 40, further comprising:

generating, at the third device, additional communication specification information specific to the subsequent wireless communication between the second device and the third device that includes additional information that is to be included in the subsequent wireless communication between the second device and the third device;

sending the additional communication specification information from the third device to the second device via the third electrical connection; and

sending the additional communication specification information from the second device to the first device via the second electrical connection, the relay station, and the first electrical connection.

42. (new) The system according to claim 12, wherein said first device further comprises:

a verifying unit operable to verify that the communication specification information has been correctly received by the second device.

43. (new) The system according to claim 12, wherein:

said first connector is detached from said second connector prior to initiating the wireless communication between said first device and said second device.

44. (new) The system according to claim 12, wherein said second device includes:

a generating unit operable to generate further communication specification information that includes further information that is to be included in the subsequent wireless communication, and

a sending unit operable to send the further communication specification information from said second device to said first device via the electrical connection.

45. (new) The system according to claim 12, wherein one of said first device and said second device is a transceiver detachably connectable to a game apparatus, and another of said first device and said second device is a controller.

46. (new) The system according to claim 15, wherein said second device includes a sending unit operable to send the random number from said second device back to said first device, and said first device includes a verifying unit operable to verify that the random number received from said second device is identical to the random number sent to said second device.

47. (new) The system according to claim 18, wherein each of said plurality of second devices includes:

a generating unit operable to generate further communication specification information that includes further information that is to be included in the subsequent wireless communication between said first device and that second device, and

a sending unit operable to send the further communication specification information from said second device to said first device via the corresponding electrical connection.

48. (new) The system according to claim 18, wherein said first device is a transceiver detachably connectable to a game apparatus, and said plurality of second devices are a plurality of controllers.

49. (new) The system according to claim 19, further comprising:

a third device having a third connector detachably coupled to a further connector of said second device to form a third electrical connection; and

wherein said second device includes:

a generating unit operable to generate further communication specification information specific to subsequent wireless communication between said second device and said third

device that includes further information that is to be included in the subsequent wireless communication between said second device and said third device, and

a sending unit operable to send the further communication specification information from said second device to said third device via the third electrical connection and to send the further communication specification information from said second device to said first device via the first electrical connection, said relay station, and the second electrical connection.

50. (new) The system according to claim 49, wherein said third device includes:

a generating unit operable to generate additional communication specification information specific to the subsequent wireless communication between said second device and said third device that includes additional information that is to be included in the subsequent wireless communication between said second device and said third device, and

a sending unit operable to send the additional communication specification information from said third device to said second device via the third electrical connection;

said sending unit of said second device being further operable to send the additional communication specification information from said second device to said first device via the second electrical connection, said relay station, and the third electrical connection.

51. (new) The system according to claim 49, wherein said relay station is a game apparatus, said first device is a first transceiver detachably connected to said game apparatus, said second device is a second transceiver detachably connected to said game apparatus, and said third device is a controller.

52. (new) The computer-readable recording medium according to claim 23, wherein said method further comprises:

verifying, at the first device, that the communication specification information has been correctly received by the second device.

53. (new) The computer-readable recording medium according to claim 23, wherein said method further comprises:

removing the electrical connection prior to initiating the wireless communication between the first device and the second device.

54. (new) The computer-readable recording medium according to claim 23, wherein said method further comprises:

generating, at the second device, further communication specification information that includes further information that is to be included in the subsequent wireless communication, and

sending the further communication specification information from the second device to the first device via the electrical connection.

55. (new) The computer-readable recording medium according to claim 26, wherein said method further comprises:

sending the random number from the second device back to the first device, and

verifying, at the first device, that the random number received from the second device is identical to the random number sent to the second device.

56. (new) The computer-readable recording medium according to claim 29, wherein said method further comprises:

generating, at each of the plurality of second devices, further communication specification information that includes further information associated with that second device that is to be included in the subsequent wireless communication between the first device and the associated second device, and

sending, from each one of the plurality of second devices to the first device, the further communication specification

information associated with that second device via the corresponding electrical connection.

57. (new) The computer-readable recording medium according to claim 30, wherein said method further comprises:

determining whether a third electrical connection is present between the second device and a third device;

generating, at the second device, further communication specification information specific to subsequent wireless communication between the second device and the third device that includes further information that is to be included in the subsequent wireless communication between the second device and the third device;

sending the further communication specification information from the second device to the third device via the third electrical connection; and

sending the further communication specification information from the second device to the first device via the first electrical connection, the relay station, and the second electrical connection.

58. (new) The computer-readable recording medium according to claim 57, wherein said method further comprises:

generating, at the third device, additional communication specification information specific to the subsequent wireless communication between the second device and the third device that includes additional information that is to be included in the subsequent wireless communication between the second device and the third device;

sending the additional communication specification information from the third device to the second device via the third electrical connection; and

sending the additional communication specification information from the second device to the first device via the

second electrical connection, the relay station, and the first electrical connection.

59. (new) A device, comprising:

a first connector detachably coupled to a further connector of a further device to form an electrical connection between said device and said further device;

a generating unit operable to generate communication specification information that includes information that is to be included in subsequent wireless communication between said device and said further device; and

a sending unit operable to send the communication specification information from said device to said further device via the electrical connection.

60. (new) The device according to claim 59, wherein the communication specification information includes identification information identifying a characteristic of at least one of said device and said further device.

61. (new) The device according to claim 59, wherein the communication specification information includes a predetermined password.

62. (new) The device according to claim 61, wherein the predetermined password includes a random number.

63. (new) The device according to claim 59, wherein the communication specification information includes information indicating a communication frequency to be used during the subsequent wireless communication between said device and said further device.

64. (new) The device according to claim 59, wherein the communication specification information includes information indicating a channel to be used during the subsequent wireless communication between said device and said further device.

65. (new) The device according to claim 59, further comprising:

a verifying unit operable to verify that the communication specification information has been correctly received by the further device.

66. (new) The device according to claim 59, wherein said first connector is detached from said further connector prior to initiating the wireless communication between said first device and said further device.